## 

# NJ 10003(0) 35

## SERVICE INFORMATION

ANTE ANTE PROPERTIES (MESTE SECRETARIES) (MEST

#### **FOREWORD**

This Service Information has been prepared to introduce new service and data for the XJ900S(G) '95. For complete service information procedures it is necessary to use this publication together with the following microfiche service manual.

XJ900S(G) '95 SERVICE MANUAL: 4KM-ME1

XJ900S(G) '95
SERVICE INFORMATION
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#### NOTICE

This manual was written by the Yamaha Motor Company primarily for use by Yamaha dealers and their qualified mechanics. It is not possible to put an entire mechanic's education into one manual, so it is assumed that persons using this book to perform maintenance and repairs on Yamaha motorcycles have a basic understanding of the mechanical concepts and procedures inherent in motorcycle repair technology. Without such knowledge, attempted repairs or service to this model may render it unfit to use and/or unsafe.

Yamaha Motor Company, Ltd. is continually striving to improve all models manufactured by Yamaha. Modifications and significant changes in specifications or procedures will be forwarded to all Authorized Yamaha dealers and will, where applicable, appear in future editions of this manual.

## HOW TO USE THIS MANUAL PARTICULARY IMPORTANT INFORMATION

This material is distinguished by the following notation.

 $\Lambda$ 

The Safety Alert Symbol means ATTENTION! BECOME ALERT! YOUR

SAFETY IS INVOLVED!

**A** WARNING

Failure to follow WARNING instructions could result in severe injury or death to the motorcycle operator, a bystander, or a person inspecting or repairing the motorcycle.

CAUTION:

A CAUTION indicates special precautions that must be taken to avoid damage to the motorcycle.

NOTE:

A NOTE provides key information to make procedures easier or clearer.

#### **MANUAL FORMAT**

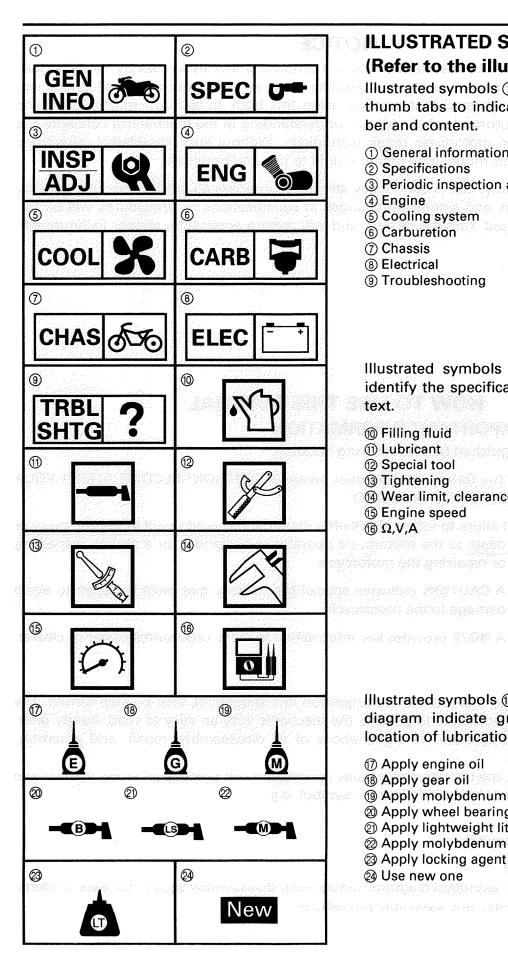
All of the procedures in this manual are organized in a sequential, step-by-step format. The information has been compiled to provide the mechanic with an easy to read, handy reference that contains comprehensive explanations of all disassembly, repair, and assembly, inspection operations.

In this revised format, the condition of a faulty component will precede an arrow symbol and the course of action required will follow the symbol, e.g.,

Bearings
 Pitting/Damage → Replace.

#### **EXPLODED DIAGRAM**

Each chapter provides exploded diagrams before each disassembly section for ease in identifying correct disassembly and assembly procedures.



#### ILLUSTRATED SYMBOLS

#### (Refer to the illustration)

Illustrated symbols (1) to (9) are designed as thumb tabs to indicate the chapter's number and content.

- ① General information
- ② Specifications
- ③ Periodic inspection and adjustment
- 4 Engine
- (5) Cooling system
- ⑥ Carburetion
- (7) Chassis
- ® Electrical
- (9) Troubleshooting

Illustrated symbols 10 to 16 are used to identify the specifications appearing in the text.

- @ Filling fluid
- ① Lubricant
- Special tool
- (3) Tightening
- (4) Wear limit, clearance
- (5) Engine speed
- ⑥ Ω,V,A

Illustrated symbols 17 to 24 in the exploded diagram indicate grade of lubricant and location of lubrication point.

- (7) Apply engine oil
- ® Apply gear oil
- Apply molybdenum disulfide oil
- 2 Apply wheel bearing grease
- ② Apply lightweight lithium-soap base grease
- Apply molybdenum disulfide grease
- Apply locking agent (LOCTITE®)
- 24 Use new one īsanatzgalib ibislapstepes i esbirvolag i esvipera, no a ji

#### **GENERAL SPECIFICATIONS**





#### **SPECIFICATIONS**

#### GENERAL SPECIFICATIONS

2 () 1860 PP SCH <b>Mödel</b> PD 1800 PP 90 P	XJ900S
Model code:	4KM1
Engine starting number:	4KM-000101
Frame starting number to take gottlesses	4KM-000101
Dimensions:	
Overall length	2,230 mm
Overall width	735 mm
Overall height	1,300 mm
21 Seat height works to distribute and T	795 mm
Wheelbase	1,505 mm
Minimum ground clearance	130 mm
Minimum turning radius	3,000 mm
Basic weight:	
With oil and full fuel tank	265 kg
Engine: #35M/M JAMESE SMARK	
Engine type (\$14 bos 21/A , 3 tol squad)	Air-cooled 4-stroke, DOHC
of Cylinder arrangement of the system of the second of the	Forward-inclined parallel 4-cylinder
Displacement was a set to alive sugar our	892 cm <sup>3</sup>
Bore × stroke	68.5 × 60.5 mm
Compression ratio	10:1
Compression pressure (STD)	1,200 kPa (12 kg/cm², 12 bar) at 330 r/min
Starting system	Electric starter
Lubrication system:	Wet sump
Oil type or grade: 10 affigito section for its section	
Engine oil is account of the labour and	SAE20W40 type SE motor oil
Final gear oil: insulaing more acts are article	SAE80API "GL-4" Hypoid Gear Oil
Oil capacity:	
Engine oil	
renould on change was with a carry	3.2 L
With oil filter replacement  Total amount	3.4 L
8	4.4 L
Final gear case oil	
Total amount Air filter:	0.2 L
Air filter: (\$86, 200A) 191000-290	Dry type element
	December and a start and the
Type Fuel tank capacity	Regular unleaded gasoline
Fuel receive amount	24 L
ga Fuel reserve amount master ascent out	5 L

## GENERAL SPECIFICATIONS



Model	XJ900S			
Carburetor:	A Carrier			
Type / quantity	BDSR34/4 setamongacia inscri			
Manufacturer क्षाकारकार्यकार्यकार कार्य में ब्रेस्ट्रियाकर	MIKUNI ARABARANA ARABA			
Spark plug:				
Type . Same of the	DPR8EA-9/X24EPR-U9			
Manufacturer	NGK/NIPPONDENSO			
Spark plug gap	0.8 ~ 0.9 mm			
Clutch type:	Wet, multiple-disc			
Transmission:				
Primary reduction system	Spur gear			
Primary reduction ratio				
Secondary reduction system				
Secondary reduction ratio				
Transmission type				
Operation	Left foot operation			
Gear ratio 1st	35/16 (2.188)			
2nd	30/20 (1.500)			
3rd	30/26 (1.154)			
4th 2	28/30 (0.933)			
5th	26/32 (0.813)			
Chassis:				
Frame type	Double cradle			
Caster angle	27°			
Trail	- <b>1</b> 44 <sup>2</sup> · · · · · · · · · · · · · · · · · · ·			
Tire:				
Type	Tubeless			
Size front	120/70-17 58V			
rear	150/70-17 69V			
Manufacturer front	METZLER/BRIDGESTONE/DUNLOP			
rear	METZLER/BRIDGESTONE/DUNLOP			
Type front	ME33/G601/K505F			
rear	ME55A/G602/K505			
Tire pressure (cold tire):				
Maximum load-except motorcycle	205 kg			
Loading condition A*	0 ~ 90 kg			
front	225 kPa (2.25 kg/cm², 2.25 bar)			
rear	250 kPa (2.5 kg/cm², 2.5 bar)			
Loading condition B *	90 ~ 205 kg			
front	250 kPa (2.5 kg/cm², 2.5 bar)			
rear	290 kPa (2.9 kg/cm², 2.9 bar)			
Brake:				
Front brake type	Dual disc brake			
operation	Right hand operation			
Rear brake type	Single disc brake			
operation	Right foot operation			

#### **GENERAL SPECIFICATIONS**



Model	XJ900S		
Suspension:	KOARESTEED		
Front suspension	Telescopic fork		
Rear suspension	Swingarm (link suspension)		
Shock absorber:			
Front shock absorber	Coil spring / Oil damper		
Rear shock absorber	Coil-gas spring / Oil damper		
Wheel travel:	243, 8343-70682.		
Front wheel travel	140 mm		
Rear wheel travel	110 mm		
Electrical:	Configure processor Andrick		
Ignition system	T.C.I. (digital)		
Generator system	A.C. generator		
Battery type	YTX14-BS		
Battery capacity	12 V 12 AH		
Headlight type:	Quartz bulb (halogen)		
Bulb wattage × quantity:	Control of the contro		
Headlight	12 V 60 W / 55 W		
Auxiliary light	12 V 4 W×1		
Tail / brake light	12 V 5 W / 21 W × 2		
Flasher light	12 V 21 W × 4		
Licence light	12 V 5 W × 2		
Meter light	12 V 3.4 W × 4		
Indicator light			
NEUTRAL	12 V 3.4 W × 1		
TURN	12 V 3.4 W × 2		
OIL LEVEL	12 V 3.4 W × 1		
HIGH BEAM	12 V 3.4 W × 1		
FUEL	12 V 3.4 W × 1		



## MAINTENANCE SPECIFICATIONS ENGINE

	OBJUDINE SET THE LICE	a a destrict and additional attain	
Mode	<b>)</b>	Deriges XJ900S egus resis mas	
Cylinder head:		호텔 및 학생 기상 등록 회 기원	
Warp limit		0.03 mm <sup>1</sup> (1203 2.04 6 to 2000 39 66 to	
		Ad .	
794 1 44 1 784	· <b>*</b>	というものになっている。 dec(の)を	
		8.5	
			į
Cylinder:	POTTON TOLONG	TOTAL CONTRACTOR CONTR	
Bore size		68.49 ~ 68.54 mm	
Taper limit	7444 ( 85 - \$.VI)	0.05 mm	
Out of round limit		0.01 mm	
Camshaft:		32 395 32 4 B	
Drive method	mgof ( 8.0;	Chain drive (center)	
Cam cap inside diame	ter side, i i & C.	25.000 ~ 25.021 mm	
Camshaft outside dian	neter area e	24.967 ~ 24.980 mm	
Shaft-to-cap clearance		0.020 ~ 0.054 mm	
Cam dimensions		TO THE TOP 1810 THE STATE OF TH	
	- 1886 - 946.3 140 - 100 - 100 -	東京   - 「「「「「「「」」」   「「」 「」 「」 「」 「」 「」 「」 「」 「」 「」 「」 「」 「」	
	0209 \$1 <b>0</b> 05 + <b>00</b> 0 6;		
	C 0 07 10	Christia AR. 1977 — Sundanski Sindyg <i>of Thyl</i> ic	, P
		The state of the second section of the section of the second section of the section of	
		ieus kansus maiš	
		A CRITICAL STATES AND A	
	B —— B		
Intake,	"A"	36.75 ~ 36.85 mm	
	∜ <b>B</b> ″	27.975 ~ 28.075 mm	
	- <b>"C"</b>	8.75 ~ 8.85 mm	
Exhaust	ana an Andrea (1995) San San San San San San San San San San	36.75 ~ 36.85 mm	
energia de la companya della companya della companya de la companya de la companya della company	**** <b>B</b> ***	27.975 ~ 28.075 mm	żŹ
	"C"	0.70 ~ 0.00 111111	
Camshaft runout limit	energia. Energia (CC)	0.03 mm	
ut ya iliku iliku u kasuk bulinjan ili izotek. Ili ili		post reserva. Longo vita consistante subsciente subsciente subsciente subsciente subsciente subsciente subsciente subsciente	
		4	

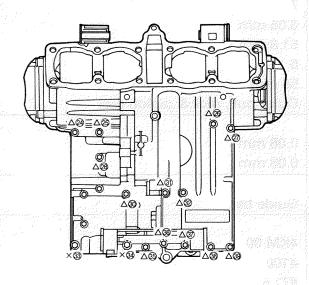
Model		XJ900S	
Piston size "D"	# 1	68.45 ~ 68.50 mm	
	, and Array	Control X State Control	
		र्यः नर्यात् इत्यः र्यः	
A William Service Control of the Con	<b>→</b>		
	+-//		
Visit (and ship) we therefore the D-	<b>—</b>		
Measuring point "H"		5.5 mm	
Oversize	<b>2nd</b>	69 mm	. to myksend
	4th	69.5 mm	- 98884 80 <b>8</b>
Piston off-set	in in the second of the second	0.5 mm	
Piston off-set direction		IN side	
Piston pin bore inside diam		16.002 ~ 16.013 mm	
Piston pin outside diameter		15.990 ~ 16.000 mm	
Piston rings:		i i Skom nazvova (od takave) Izvori i sustan	- A
Top ring:		3 91797 V	garge wiedt.
To Toppede, versije ()	Trum 68.664		regard egyle, i
The Control of States and Control of States	B	20 1 1 24 (20) 20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
at Historyka (tiv s Jose			vidagosianā ir j
Туре		Barrel	v
Dimensions (B×T)		1.2 × 2.5 mm	insodo ogredi instatatat
End gap (installed)	i promining and a second secon		
Side clearance (installed)		0.025 ~ 0.080 mm	Separati 194 Y
2nd ring:		\$\$\$ 0.2000 :	
Branco Integral of States and States	<del></del> ;	0.88 - J. J.S.F. (40.44)	
	B	220 - 1202 mas * 111	
Markette telephone to establish		0 1 175-71 Security	
Туре		Taper	1
Dimensions (B×T)		1.2 × 3.1 mm	
End gap (installed)		0.30 ~ 0.45 mm	
Side clearance	N) Sizoni, samula zini, la Cell	0.02 ~ 0.06 mm	issa No naimera
Oil ring:	Charten at especial	A. A	
n de de la composition della c	<b>4 </b>	A B	
Por prived (security) is used to		And the state of t	
Dimensions (B×T)	* * *	2.5 × 2.8 mm	
End gap (installed)		0.2 ~ 0.7 mm	and the second s
Connecting rod:		V V-/ HIIII	
Oil clearance	n 4 30.0 - 55, 7	0.026 ~ 0.055 mm	orate o ex reciperé
		0.020 - 0.000 HIIII	german bul

Model		XJ900S				
Crankshaft:	30%	Swage jet				
	J 54 7 85	The control of the co				
[] ©		े विकास कर				
	enlatala ak	Transport of the second of the				
		t taa ku ka				
~ L## L		the state of the s				
<del>-  -</del> D	1- A-1	्राह्म क्रमानिकाले । इस्तानुक क्रमानिकाले				
	B	drawn tyn redeg 160				
Assembly width "B"		340.8 ~ 342.0 mm				
Runout limit "C"	mra 39.0, - 19.9	0.03 mm				
Big end side clearance "D"		0.160 ~ 0.262 mm				
Big end radial clearance "E		0.016 - 0.040 mm				
Journal oil clearance		0.020 ~ 0.052 mm				
Color code (corresponding	size)	① Blue ② Black ③ Brown ④ Green				
		(5) Yellow				
Clutch:	And the second s					
Friction plate thickness		2.9 ~ 3.1 mm				
Quantity		8				
Friction plate wear limit		2.8 mm				
Clutch plate thickness		1.9 ~ 2.1 mm (1.9%) (1.9%)				
Quantity		7				
Warp limit		0.05 mm				
Clutch spring free length		51.8 mm				
Quantity		6				
Minimum length		50 mm				
Clutch release method		Outer pull, rack & pinion pull				
Transmission:						
Main axle deflection limit		0.08 mm				
Drive axle deflection limit		0.08 mm				
Shifter:						
Shifter type	n gan Li	Guide bar				
Carburetor:						
I. D. mark	patitional university of the control	4KM 00				
Main jet	(L.M)	#100				
Main air jet	(M.A.J)	#72.5				
Jet needle	(J.N)	5DT3-2				
Needle jet	(N.J)	0-2 GENT BY BY NEWS BUT HEREIN SAME IN				
Pilot air jet	(P.A.J.1)	#120 garani and a moodiff s				
Pilot outlet	(P.O)	1.0				
Pilot jet	(P.J)	#12.5				
Bypass 1	(B.P.1)	0.9				
Bypass 2	(B.P.2)	0.8				
Bypass 3	(B.P.3)	0.9				
Pilot screw	(P.S)	1-1/2				
Valve seat size	(V.S)	1.5				



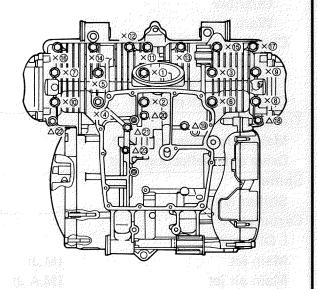
Model		XJ900S
Starter jet	(G.S.1)	#30
Throttle valve size	(Th.V)	#125
Fuel level	(F.L)	6 ~ 7 mm
Engine idle speed		950 ~ 1,050 r/min
Intake vacuum		30.3 ~ 32.9 kPa (230 ~ 250 mmHg)
Lubrication system:		
Oil filter type		Paper type
Oil pump type		Trochoid type
Tip clearance		0.03 ~ 0.09 mm
Side clearance		0.03 ~ 0.08 mm
Bypass valve setting pressure		120 ~ 160 kPa (1.2 ~ 1.6 kg/cm², 1.2 ~ 1.6 bar)
Relief valve operating pressur	е	540 ~ 660 kPa (5.4 ~ 6.6 kg/cm², 5.4 ~ 6.6 bar)
Oil pressure (hot)		80 kPa (0.8 kg/cm², 0.8 bar) at 1,000 r/min
Shaft drive:		
Middle gear backlash	78 (9), 19 (184, 41); D. B. G. B.	0.1 ~ 0.2 mm
Final gear backlash		0.1 ~ 0.2 mm
Crankcase tightening sequence:	422m	

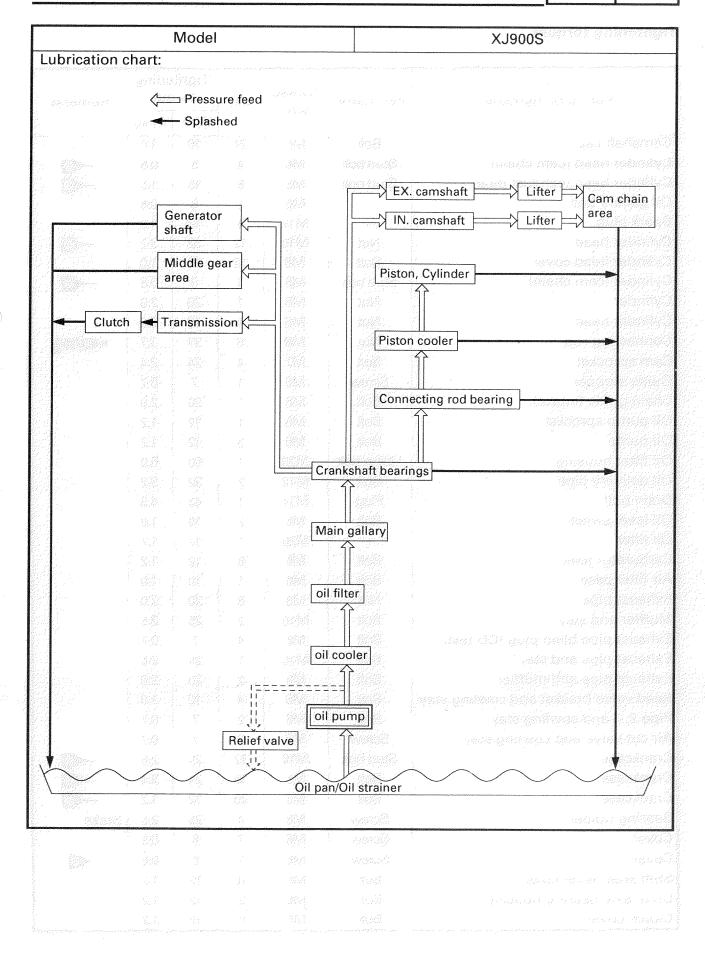
#### Crankcase (upper)



×: M8 bolt: 24 Nm (2.4 m • kg) ∆: M6 bolt: 12 Nm (1.2 m • kg)

#### Crankcase (lower)





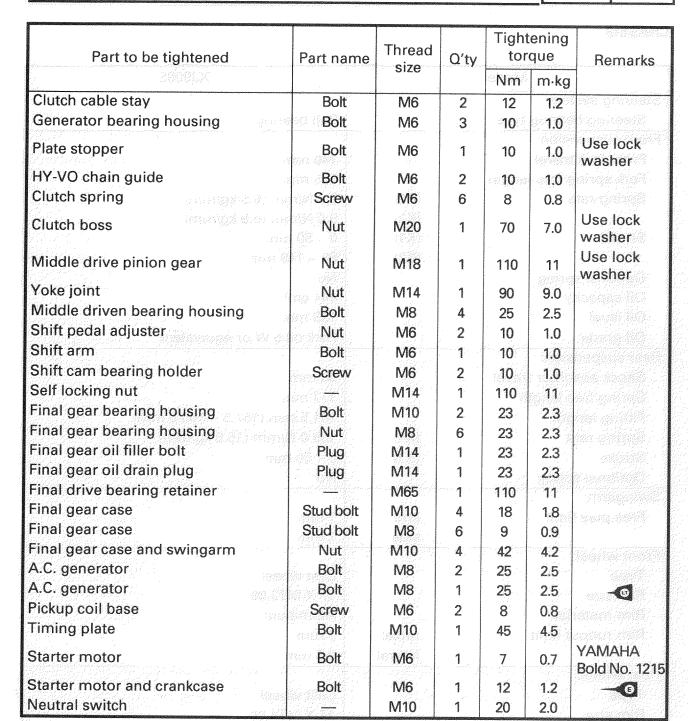
SPEC



#### Tightening torques

		Thread		1	ening	[12] [13] [13] [13] [13] [13] [13] [13] [13
Part to be tightened	Part name	size	Q'ty	<b></b>	que	Remarks
			akata.	Nm	m-kg	
Camshaft cap	Bolt	M6	24	10	1.0	
Cylinder head (cam chain)	Stud bolt	M6	4	5	0.5	<b>—</b> (E)
Cylinder head (exhaust pipe)	Stud bolt	M8	8	15	1.5	(E)
Oil gallery bolt	<u> </u>	M6	1	8	0.8	100
Spark plug		M12	4	18	1.8	roman and that
Cylinder head	Nut	M10	12	32	3.2	<b>─</b> €
Cylinder head cover	Bolt	M6	12	10	1.0	25/4/2
Cylinder (cam chain)	Stud bolt	M8	1	8	0.8	{E
Cylinder	Nut	M8	1	20	2.0	
Cylinder head	Nut	M6	4	10	1.0	
Connecting rod	Nut	M8	8	37	3.7	
Cam sprocket	Bolt	M7	4	24	2.4	
Guide stopper	Screw	M6	1	7	0.7	
Chain guide (intake)	Bolt	M8	1	20	2.0	
Oil pump sprocket	Bolt	M6	1	12	1.2	
Oil pump	Bolt	M6	3	12	1.2	
Oil filter housing	Union bolt	M20	1	50	5.0	
Oil delivery pipe	Bolt	M12	2	32	3.2	
Drain bolt	Plug	M14	1	43	4.3	
Oil level switch	Bolt	M6	2	10	1.0	
Oil filter		M20	1	17	1.7	
Carburetor joint	Bolt	M6	8	12	1.2	
Air filter case	Bolt	M6	1:	10	1.0	
Exhaust pipe	Nut	M8	8	20	2.0	
Muffler and stay	Bolt	M10	2	25	2.5	
Exhaust pipe blind plug (CO test)	Bolt	M6	4	7	0.7	
Exhaust pipe and stay	Bolt	M10	1	25	2.5	
Exhaust pipe and muffler	Bolt	M8	2	20	2.0	
Reed valve bracket and cowling stay	Bolt	M6	4	10	1.0	
Pipe 2, 3 and cowling stay	Bolt	M6	2	7	0.7	
Air cut valve and cowling stay	Screw	M6	2	7	0.7	
Crankcase	Stud bolt	M10	12	20	2.0	<b>(</b> B)
Crankcase	Bolt	M8	19	24	2.4	- 0
Crankcase	Bolt	M6	20	12	1.2	- G
Bearing holder	Screw	M8	4	25	2.5	Stake
Cover	Screw	M6	7	8	0.8	Zada da karang en 1900 a sa sa sa
Cover	Screw	M6	1	8	0.8	
Shift shaft lever cover	Bolt	M6	10	12	1.2	~ <b>©</b>
Drive axle bearing housing	Bolt	M6	3	12	1.2	
Clutch cover	Bolt	M6	10	12	1.2	









#### **CHASSIS**

Model ا		XJ900S			
Steering system:	3807	1978 - 1988 - 1988 - 1988 - 1988 - 1988 - 1988 - 1988 - 1988 - 1988 - 1988 - 1988 - 1988 - 1988 - 1988 - 1988			
Steering bearing type		Ball bearing			
Front suspension:					
Front fork travel		140 mm			
Fork spring free length		505 mm			
Spring rate	(K1)	5.0 N/mm (0.5 kg/mm)			
	(K2)	9.0 N/mm (0.9 kg/mm)			
Stroke	(K1)	0 ~ 80 mm			
	(K2)	80 ~ 140 mm			
Optional spring		No			
Oil capacity		444 cm <sup>3</sup>			
Oil level		133 mm			
Oil grade		Fork oil 5 W or equivalent			
Rear suspension:					
Shock absorber travel		50 mm			
Spring free length		177 mm			
Fitting length		161.5 mm (157.5 ~ 165.5 mm)			
Spring rate	(K1)	155.0 N/mm (15.5 kg/mm)			
Stroke	(K1)	0 ~ 50 mm			
Optional spring		No			
Swingarm:					
Free play limit	end	1 mm			
	side	1 mm			
Front wheel:					
Туре		Cast wheel			
Rim size		17 X MT3.00			
Rim material		Aluminum			
Rim runout limit	radial	1 mm			
	lateral	0.5 mm			
Rear wheel:					
Type		Cast wheel			
Rim size		17 X MT4.00			
Rim material		Aluminum			
Rim runout limit	radial	1 mm			
	lateral	0.5 mm			
Front disc brake:		- continued in the continue of			
Type		Dual			
Disc outside diameter × thickness 320 × 4 mm					
Disc deflection limit		0.15 mm			
Pad thickness	inner	6.1 mm			
<limit></limit>		<0.8 mm>			
Pad thickness	outer	6.1 mm			



Model	XJ900S
< Limit	<0.8 mm>
*	interfregri des de Cent
Master cylinder inside diameter	15.87 mm
Caliper cylinder inside diameter	30.2 mm advar resear once associate allegations
Caliper cylinder inside diameter	33.3 mm and a grandage lags relative attitude.
Brake fluid type	DOT #4
Rear disc brake:	ten gan kenerakka antakkis
Type	Single
Disc outside diameter × thickness	267 × 5 mm (280 500), valoridada sa (280 500)
Disc deflection limit	0.15 mm
Pad thickness inner	5.5 mm
<limit></limit>	<0.5 mm>
Pad thickness outer	5.5 mm
<limit></limit>	<0.5 mm>
Master cylinder inside diameter	14 mm
Caliper cylinder inside diameter	42.85 mm
Brake fluid type	DOT #4
Brake lever & brake pedal:	
Brake lever free play (at lever pivot)	0 mm
Brake pedal position	30 mm
Brake pedal free play	0 mm
Clutch lever free play (at lever end)	10 ~ 15 mm
Throttle cable free play	3 ~ 5 mm



#### Tightening torques

Part to be tightened	Thread size		tening que	Remarks
	Space for	Nm	m·kg	art et en
Chassis:	1977	redit dig	200 1000	
Handle crown and inner tube	M8×1.25	30	3.0	ing segalasii
Handle crown and steering stem	M14×1.25	110	11.0	ivo natilijaji
Handle crown and handlebar (upper)	M8×1.25	23	2.3	
Steering stem and ring nut	M25×1.0	18	1.8	
		See "l	NOTE"	
Front master cylinder and cap	M4×0.7	2	0.2	discussion of the
Front master cylinder and bracket	M6×1.0	9	0.9	
Front brake hose and union bolt	M10×1.25	30	3.0	and continued to
Cowling and cowling stay	M5×0.8	0.7	0.07	
Cowling and frame	M5×0.8	0.7	0.07	
Cowling and windscreen	M5×0.8	0.7	0.07	
Cowling and inner panel	M5×0.8	4	0.4	
Cowling and headlight	M6×1.0	7	0.7	
Cowling stay and frame	M8×1.25	16	1.6	
	M6× 1.0	7	0.7	
Cowling stay and meter	M6×1.0	7	0.7	
Cowling stay and front flasher light	M12×1.25	13	1.3	
Meter and meter cable	M12×1.0	3	0.3	
Brake hose holder and front fork	M6×1.0	7	0.7	
Engine mount (front-upper/lower)	M10×1,25	48	4.8	
(rear-upper/lower)	M10×1.25	48	4.8	
Down tube and frame	M10×1.25	89	8.9	
Engine stay (front) and frame	M8×1.25	30	3.0	
Engine stay (rear) and frame	M8×1.25	30	3.0	
Pivot shaft (left) and frame	M22×1.5	100	10.0	
Pivot shaft (right) and frame	M22×1.5	7	0.7	
Pivot shaft (right) and locknut	M22×1.5	100	10.0	
Relay arm and frame	M10×1.25	48	4.8	
Relay arm and connecting rod	M12×1.25	48	4.8	
Connecting rod and rear arm	M12×1.25	48	4.8	
Rear shock absorber and frame	M10×1.25	40	4.0	
Rear shock absorber and relay arm	M10×1.25	48	4.8	
Fuel cock and fuel tank	M6× 1.0	7	0.7	
Fuel sender and fuel tank	M5×0.8	4	0.4	
Rear fender and frame	M6× 1.0	7	0.7	
Taillight	M6× 1.0	7	0.7	
Rear fender cover and side cover	M5×0.8	4	0.4	
Side cover and frame	M5×0.8	4	0.4	
Rear fender stay and frame	M6× 1.0	10	1.0	





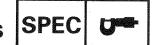
Part to be tightened	Thread size	1 -	ening que	Remarks
- CONTRACTOR OF THE CONTRACTOR		Nm	m⋅kg	
Rear brake reservoir tank and rear fender	M6× 1.0	7	0.7	
Rear flasher light and rear fender	M12×1.25	4	0.4	State Company
Reflector bracket and rear fender	$M4 \times 0.7$	3	0.3	RO SUBBRY
Rear fender and flap	M4×0.7	3	0.3	Reservations
Battery cover and frame	M6×1.0	7	0.7	iyacaayby
Footrest bracket and frame	M8×1.25	30	3.0	
Rear footrest and frame	M8×1.25	30	3.0	
Rear master cylinder and bracket	M8×1.25	30	3.0	
Brake hose and union bolt	M10×1.25	30	3.0	
Shift pedal	M8×1.25	30	3.0	
Brake pedal and brake shaft	M6×1.0	8	8.0	
Mainstand bolt and nut	M10×1.25	56	5.6	
Front wheel axle	M14×1.5	59	5.9	
Rear wheel axle and nut	M16×1.5	105	10.5	
Front brake caliper and front fork	M10×1.25	35	3.5	
Rear brake caliper and caliper bracket	M10×1.25	35	3.5	
Disc brake and hub (front/rear)	M6×1.0	20	2.0	-6
Front brake caliper and bleed screw	M7×1.0	6	0.6	Typy II.
Rear brake caliper and bleed screw	M8×1.25	6	0.6	
Speedometer cable and gear unit	M12×1.0	3	0.3	
Front wheel axle pinch bolt	M8×1.25	19	1.9	·
Rear wheel axle pinch bolt	M8×1.25	16	1.6	
Front brake caliper retaining bolt	M8×1.25	22	2.2	
Front fender and front fork	M6×1.0	9	0.9	
Rear brake hose and hose joint	M10×1.0	16	1.6	
Rear brake caliper and hose joint	M10×1.0	30	3.0	

NOTE: .

1.First, tighten the ring nut approximately 52 Nm (5.2 m • kg) by using the torque wrench, then loosen the ring nut one turn.

2. Retighten the ring nut to specification.

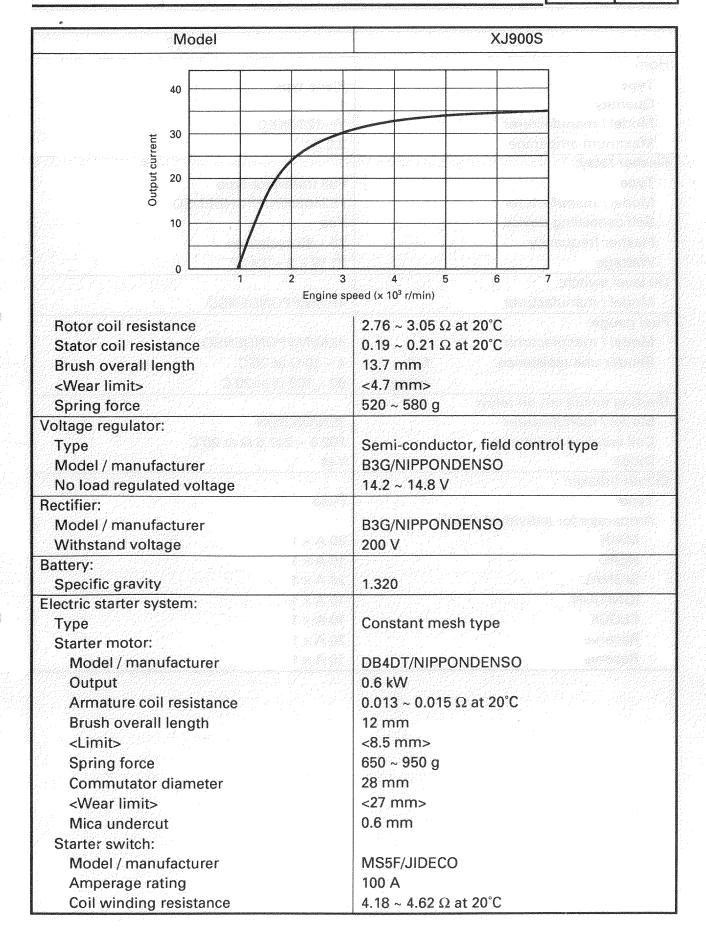




#### ELECTRICAL

Model		XJ900S		
Voltage:	012後春	12 V		
Ignition system:	Maj kajija			
Ignition timing (B.T.D.C.)		5° at 1,000 r/min		
Advanced timing (B.T.D.C.)		40° at 5,000 r/min		
Advancer type		Electrical type		
40				
Gunition timing (B.T.D.C.)				
₩ 30 E	7			
<u></u>	741			
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al 10 10 1	142	/		
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		4 X N M X X X X X X X X X X X X X X X X X		
	50			
	50	10		
Throttle o	, v	Engine speed (x 10 <sup>3</sup> r/min)		
Throttle o	, v	Engine speed (x 10 <sup>3</sup> r/min)		
Throttle o	, v	Engine speed (x 10 <sup>3</sup> r/min)		
Throttle o  T.C.I.: Pickup coil resistance / color	pen (%)	Engine speed (x 10³ r/min)  446 ~ 545 Ω at 20°C / White/Red – White/Greer		
Throttle o T.C.I.: Pickup coil resistance / color T.C.I. unit model / manufacture	pen (%)	Engine speed (x 10 <sup>3</sup> r/min)		
Throttle o  T.C.I.:  Pickup coil resistance / color  T.C.I. unit model / manufacture Ignition coil:	pen (%)	Engine speed (x 10³ r/min)  446 ~ 545 Ω at 20°C / White/Red – White/Greer  J4T051/MITSUBISHI		
Throttle of T.C.I.:  Pickup coil resistance / color T.C.I. unit model / manufacture Ignition coil:  Model / manufacturer	pen (%)	Engine speed (x 10³ r/min)  446 ~ 545 Ω at 20°C / White/Red – White/Green J4T051/MITSUBISHI  J0312,J0313/NIPPONDENSO		
Throttle of T.C.I.:  Pickup coil resistance / color T.C.I. unit model / manufacture lignition coil:  Model / manufacturer Minimum spark gap	pen (%)	Engine speed (x 10 <sup>3</sup> r/min)  446 ~ 545 Ω at 20°C / White/Red – White/Green J4T051/MITSUBISHI  J0312,J0313/NIPPONDENSO 6 mm		
T.C.I.:  Pickup coil resistance / color T.C.I. unit model / manufacture Ignition coil:  Model / manufacturer Minimum spark gap Primary winding resistance	pen (%)	Engine speed (x $10^3$ r/min)  446 ~ 545 $\Omega$ at $20^{\circ}$ C / White/Red – White/Greer J4T051/MITSUBISHI  J0312,J0313/NIPPONDENSO 6 mm  1.87 ~ 2.53 $\Omega$ at $20^{\circ}$ C		
T.C.I.:  Pickup coil resistance / color T.C.I. unit model / manufacture Ignition coil:  Model / manufacturer Minimum spark gap Primary winding resistance Secondary winding resistance	pen (%)	Engine speed (x 10 <sup>3</sup> r/min)  446 ~ 545 Ω at 20°C / White/Red – White/Greer J4T051/MITSUBISHI  J0312,J0313/NIPPONDENSO 6 mm		
T.C.I.:  Pickup coil resistance / color T.C.I. unit model / manufacture Ignition coil:  Model / manufacturer Minimum spark gap Primary winding resistance Secondary winding resistance Spark plug cap:	pen (%)	Engine speed (x $10^3$ r/min) $446 \sim 545 \Omega \text{ at } 20^\circ\text{C} / \text{White/Red} - \text{White/Greer}$ $J4T051/\text{MITSUBISHI}$ $J0312, J0313/\text{NIPPONDENSO}$ $6 \text{ mm}$ $1.87 \sim 2.53 \Omega \text{ at } 20^\circ\text{C}$ $12 \sim 18 k\Omega \text{ at } 20^\circ\text{C}$		
T.C.I.:  Pickup coil resistance / color T.C.I. unit model / manufacture Ignition coil:  Model / manufacturer Minimum spark gap Primary winding resistance Secondary winding resistance Spark plug cap: Type	pen (%)	Engine speed (x 10³ r/min) $446 \sim 545 \Omega \text{ at } 20^{\circ}\text{C} / \text{White/Red} - \text{White/Green}$ $J4T051/\text{MITSUBISHI}$ $J0312, J0313/\text{NIPPONDENSO}$ $6 \text{ mm}$ $1.87 \sim 2.53 \Omega \text{ at } 20^{\circ}\text{C}$ $12 \sim 18 k\Omega \text{ at } 20^{\circ}\text{C}$ Resin type		
T.C.I.:  Pickup coil resistance / color T.C.I. unit model / manufacture Ignition coil:  Model / manufacturer Minimum spark gap Primary winding resistance Secondary winding resistance Spark plug cap: Type Resistance	pen (%)	Engine speed (x 10³ r/min) $446 \sim 545 \Omega \text{ at } 20^{\circ}\text{C} / \text{White/Red} - \text{White/Greer}$ $J4T051/\text{MITSUBISHI}$ $J0312,J0313/\text{NIPPONDENSO}$ $6 \text{ mm}$ $1.87 \sim 2.53 \Omega \text{ at } 20^{\circ}\text{C}$ $12 \sim 18 k\Omega \text{ at } 20^{\circ}\text{C}$		
T.C.I.:  Pickup coil resistance / color T.C.I. unit model / manufacture Ignition coil:  Model / manufacturer Minimum spark gap Primary winding resistance Secondary winding resistance Spark plug cap: Type Resistance Charging system:	pen (%)	Engine speed (x 10³ r/min) $446 \sim 545 \Omega \text{ at } 20^{\circ}\text{C} / \text{White/Red} - \text{White/Green} \\ \text{J4T051/MITSUBISHI} \\ \text{J0312,J0313/NIPPONDENSO} \\ 6 \text{ mm} \\ 1.87 \sim 2.53 \Omega \text{ at } 20^{\circ}\text{C} \\ 12 \sim 18 k\Omega \text{ at } 20^{\circ}\text{C} \\ \text{Resin type} \\ 10 k\Omega$		
T.C.I.:  Pickup coil resistance / color T.C.I. unit model / manufacture Ignition coil:  Model / manufacturer Minimum spark gap Primary winding resistance Secondary winding resistance Spark plug cap: Type Resistance	pen (%)	Engine speed (x 10³ r/min) $446 \sim 545 \Omega \text{ at } 20^{\circ}\text{C} / \text{White/Red} - \text{White/Green}$ $J4T051/\text{MITSUBISHI}$ $J0312, J0313/\text{NIPPONDENSO}$ $6 \text{ mm}$ $1.87 \sim 2.53 \Omega \text{ at } 20^{\circ}\text{C}$ $12 \sim 18 k\Omega \text{ at } 20^{\circ}\text{C}$ Resin type		







Plane type  /F-12/NIKKO 2.5 A  full transistor type E246BH/NIPPONDENSO /es -5 ~ 95 cycle/min -1 W × 2 + 3.4 W  H7/NIPPONDENSO  × 10 Ω at 20°C 0 ~ 100 Ω at 20°C  EN/OMRON 02.5 ~ 247.5 Ω at 20°C /es
/F-12/NIKKO 2.5 A Full transistor type E246BH/NIPPONDENSO /es $5 \sim 95$ cycle/min $1 \text{ W} \times 2 + 3.4 \text{ W}$ H7/NIPPONDENSO $\sim 10 \Omega$ at $20^{\circ}\text{C}$ $0 \sim 100 \Omega$ at $20^{\circ}\text{C}$ EN/OMRON $02.5 \sim 247.5 \Omega$ at $20^{\circ}\text{C}$
/F-12/NIKKO 2.5 A Full transistor type E246BH/NIPPONDENSO /es $5 \sim 95$ cycle/min $1 \text{ W} \times 2 + 3.4 \text{ W}$ H7/NIPPONDENSO $\sim 10 \Omega$ at $20^{\circ}\text{C}$ $0 \sim 100 \Omega$ at $20^{\circ}\text{C}$ EN/OMRON $02.5 \sim 247.5 \Omega$ at $20^{\circ}\text{C}$
Ull transistor type E246BH/NIPPONDENSO (es $5\sim95$ cycle/min $1$ W $\times$ 2 + 3.4 W H7/NIPPONDENSO KM/NIPPONDENSO $\sim10~\Omega$ at $20^{\circ}$ C $0\sim100~\Omega$ at $20^{\circ}$ C $EN/OMRON$ $02.5\sim247.5~\Omega$ at $20^{\circ}$ C
Ull transistor type E246BH/NIPPONDENSO (es $5\sim95$ cycle/min $1$ W $\times$ 2 + 3.4 W H7/NIPPONDENSO KM/NIPPONDENSO $\sim10~\Omega$ at $20^{\circ}$ C $0\sim100~\Omega$ at $20^{\circ}$ C $EN/OMRON$ $02.5\sim247.5~\Omega$ at $20^{\circ}$ C
E246BH/NIPPONDENSO 'es $5 \sim 95$ cycle/min $1 \text{ W} \times 2 + 3.4 \text{ W}$ H7/NIPPONDENSO  KM/NIPPONDENSO $\sim 10 \Omega$ at $20^{\circ}\text{C}$ $0 \sim 100 \Omega$ at $20^{\circ}\text{C}$ EN/OMRON $02.5 \sim 247.5 \Omega$ at $20^{\circ}\text{C}$
E246BH/NIPPONDENSO 'es $5 \sim 95$ cycle/min $1 \text{ W} \times 2 + 3.4 \text{ W}$ H7/NIPPONDENSO  KM/NIPPONDENSO $\sim 10 \Omega$ at $20^{\circ}\text{C}$ $0 \sim 100 \Omega$ at $20^{\circ}\text{C}$ EN/OMRON $02.5 \sim 247.5 \Omega$ at $20^{\circ}\text{C}$
es $5 \sim 95$ cycle/min $1$ W $\times$ 2 + 3.4 W H7/NIPPONDENSO KM/NIPPONDENSO $\sim 10$ Ω at 20°C $0 \sim 100$ Ω at 20°C $0 \sim 100$ Ω at 20°C
es $5 \sim 95$ cycle/min $1$ W $\times$ 2 + 3.4 W H7/NIPPONDENSO KM/NIPPONDENSO $\sim 10$ Ω at 20°C $0 \sim 100$ Ω at 20°C $0 \sim 100$ Ω at 20°C
1 W $\times$ 2 + 3.4 W  H7/NIPPONDENSO  KM/NIPPONDENSO $\sim$ 10 $\Omega$ at 20°C  0 $\sim$ 100 $\Omega$ at 20°C  EN/OMRON  02.5 $\sim$ 247.5 $\Omega$ at 20°C
1 W $\times$ 2 + 3.4 W  H7/NIPPONDENSO  KM/NIPPONDENSO $\sim$ 10 $\Omega$ at 20°C  0 $\sim$ 100 $\Omega$ at 20°C  EN/OMRON  02.5 $\sim$ 247.5 $\Omega$ at 20°C
H7/NIPPONDENSO  KM/NIPPONDENSO $\sim 10~\Omega$ at $20^{\circ}$ C $0 \sim 100~\Omega$ at $20^{\circ}$ C  EN/OMRON $02.5 \sim 247.5~\Omega$ at $20^{\circ}$ C
KM/NIPPONDENSO $\sim$ 10 $\Omega$ at 20°C $0\sim$ 100 $\Omega$ at 20°C $\mathrm{EN/OMRON}$ 02.5 $\sim$ 247.5 $\Omega$ at 20°C
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EN/OMRON 02.5 ~ 247.5 Ω at 20°C
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02.5 ~ 247.5 Ω at 20°C
<b>USE</b>
<b>u3e</b>
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5 A×1
9 A × 1 0 A × 1
0 A×1
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0 A×1
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#### **EXCLUSIVE SPECIFICATION**





#### **EXCLUSIVE SPECIFICATION**

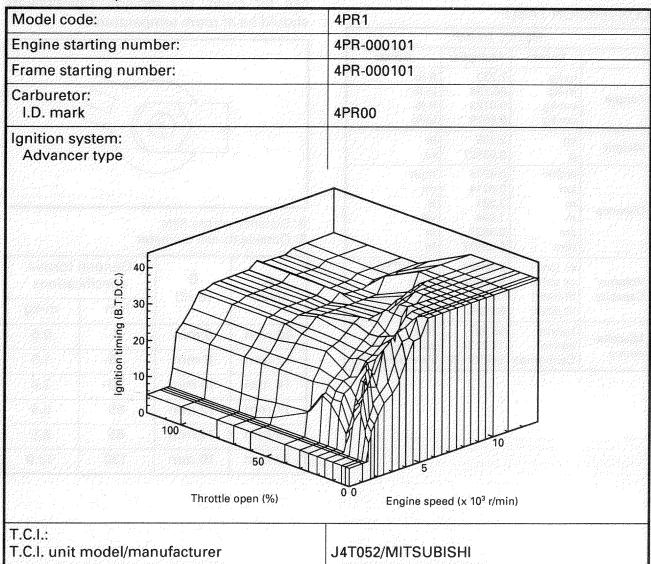
The following specifications are exclusive for the below listed countries.

For specifications other than below, please refer to the General and maintenance specifications.

#### For Spain

Model code:	4KM2		
Engine starting number:	4KM-023101		
Vehicle identification number:	JYA4KMS0*SA023	101	

#### For Switzerland, Austria



#### For Australia

Model code:	4PS1	
Engine starting number:	4PS-000101	<del>o and chank hid all a land la mana de a meno a a persona a co</del>
Vehicle identification number:	JYA4PST0 * SA000101	·
Fuel: Type	Unleaded fuel only	

## HOW TO USE THE CONVERSION TABLE/ GENERAL TORQUE SPECIFICATIONS



## HOW TO USE THE CONVERSION TABLE

All specification data in this manual is listed in SI and METRIC UNITS.

Use this table to convert METRIC unit data to IMP unit data.

Ex.

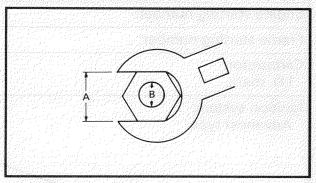
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#### **CONVERSION TABLE**

	METF	RIC TO IMP		
	Known	Multiplier	Result	
Torque	m·kg m·kg cm·kg cm·kg	7.233 86.794 0.0723 0.8679	ft·lb in·lb ft·lb in·lb	
Weight	kg g	2.205 0.03527	lb oz	
Distance	km/hr km m m cm mm	0.6214 0.6214 3.281 1.094 0.3937 0.03937	mph mi ft yd in in	
Volume/ Capacity	cc (cm³) cc (cm³) lit (liter) lit (liter)	0.03527 0.06102 0.8799 0.2199	oz (IMP liq.) cu·in qt (IMP liq.) gal (IMP liq.)	
Miscella- neous	kg/mm kg/cm² Centigrade	55.997 14.2234 9/5(°C)+32	lb/in psi (lb/in²) Fahrenheit (°F)	

## GENERAL TORQUE SPECIFICATIONS

This chart specifies torque for standard fasteners with standard I.S.O. pitch threads. Torque specifications for special components or assemblies are included in the applicable sections of this book. To avoid warpage, tighten multi-fastener assemblies in a crisscross fashion, in progressive stages, until full torque is reached. Unless otherwise specified, torque specifications call for clean, dry threads. Components should be at room temperature.



A: Distance across flats

B: Outside thread diameter

A	В	General torque specifications		
(Nut)	(Bolt)	Nm	m•kg	
10 mm	6 mm	6	0.6	
12 mm	8 mm	15	1.5	
14 mm	10 mm	30	3.0	
17 mm	12 mm	55	5.5	
19 mm	14 mm	85	8.5	
22 mm	16 mm	130	13.0	

### LUBRICATION POINT AND GRADE OF LUBRICANT | SPEC



#### **LUBRICATION POINT AND GRADE OF LUBRICANT**

#### **ENGINE**

Lubrication Point	Symbol
Oil seal lips	-4GD-1
O-ring	-@ <b>H</b>
Bearing	<b>€</b>
Piston surface	<b>-</b> @
Piston pin	<b>—</b> .e
Crankshaft pin	- <b>.</b> @
Crankshaft journal/big end	<b></b> @
Connecting rod bolt/nut	
Connecting rod small end	- <b>-</b> @
Middle drive shaft (drive damper cam/driven damper cam)	~@
Middle drive gear	<b>€</b>
Middle driven gear	- <b>€</b>
Camshaft cam lobe/journal	<b>0</b>
Valve stem (IN, EX)	<b>~</b> @
Valve stem end (IN, EX)	- <b>a</b>
Valve lifter	<b>-</b> • <b>0</b>
Oil pump rotor (inner/outer), housing	<b>−©</b>
Oil strainer assembly	<b></b> @
ldle gear surface	<b></b> €
Starter idle gear	<b>€</b>
Starter idle gear shaft	<b>-€</b>
Starter clutch (outer/roller)	<b>-------</b>
Crankcase cover (pull rod hole)	
Primary drive gear/damper	-: @
Transmission gear (wheel/pinion)	-0
Axle (main/drive)	<b>-:0</b>
Pull rod (bearing/washer)	_ (S
Shift cam	<b>-(</b> 0
Shift fork/guide bar	<b>-{</b> @
Shift shaft assembly	<b>-(0</b> )

### LUBRICATION POINT AND GRADE OF LUBRICANT

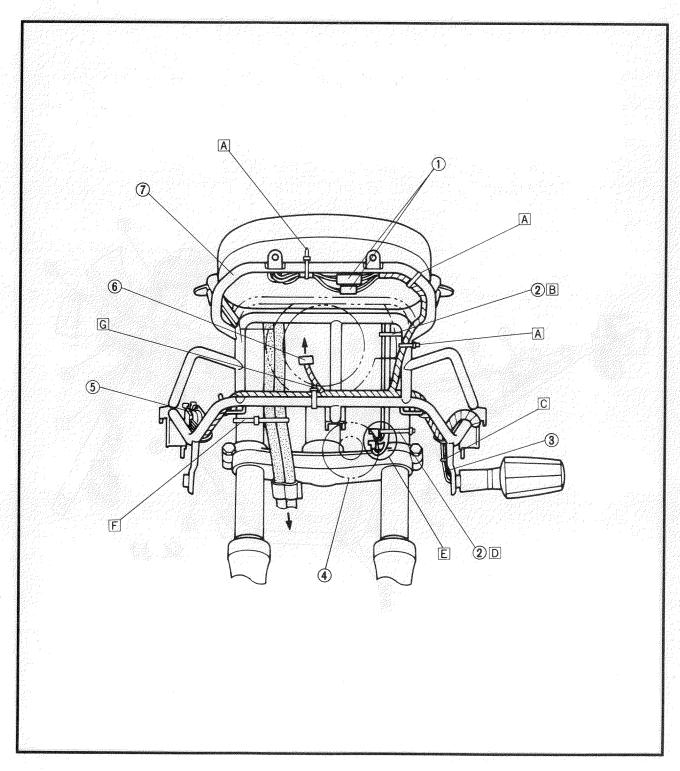
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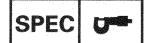
#### CHASSIS

Lubrication Point	Symbol
Steering bearing (upper/lower)	
Front wheel oil seal (right/left)	- (B)-1
Rear wheel oil seal	-(E)-1
Clutch hub oil seal	
Clutch hub fitting area	
Rear brake pedal shaft	
Shift pedal	
Center stand sliding surface	
Side stand sliding surface	
Tube guide (throttle grip) inner surface	
Clutch cable end (lever side)	
Brake lever bolt, sliding surface	
Clutch lever bolt, sliding surface	<b>-</b> @-
Rear footrest pivot	
Rear shock absorber (upper)	-001
Rear shock absorber (lower - oil seal)	
Connecting rod bearing (on the swingarm)	
Swingarm pivot bearing	
Swingarm pivot oil seal	
Relay arm bearing (inner)	<b></b> 0
Final drive gear/ring gear	-0
Drive shaft (final gear side)	
Drive shaft (middle gear side)	- B

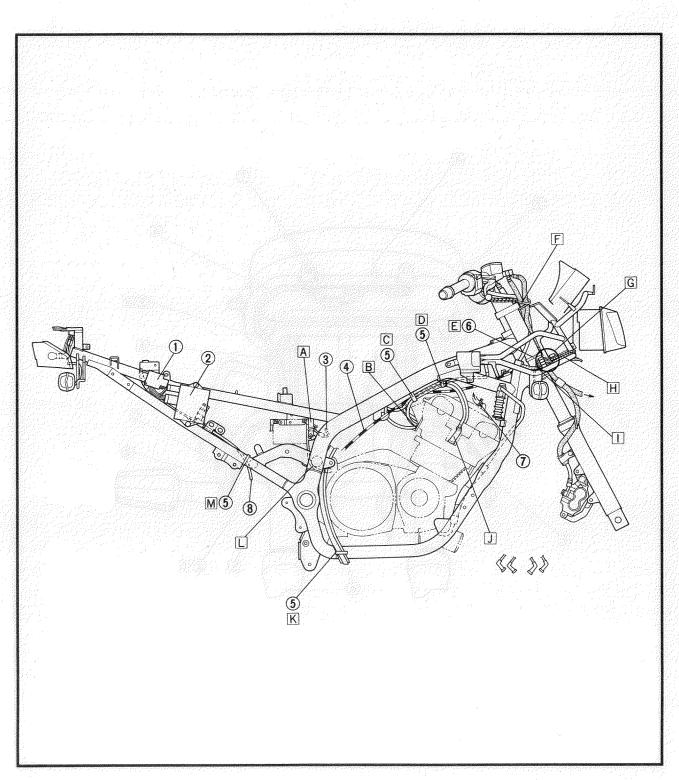


- ② Band
- ③ Flasher lead
- 4 Horn
- (5) Thermo switch
- 6 Headlight coupler
- ⑦ Cowling stay
- ① Meter assembly coupler A Clamp the meter lead to the cowling stay.
  - B Clamp the horn lead to the inner fork tube 60 mm from the handle crown.
  - © Pass the left and right flasher leads through the cowling stay guide wire.
  - D Clamp the horn lead to the inner fork tube 20 mm from the under bracket.
  - E When connecting the horn lead, make sure that the lead points downwards from the connector so that water cannot get inside when it rains.
  - E Clamp the brake hoses to the inner fork tube.
  - G Clamp the wire harness to the cowling stay.



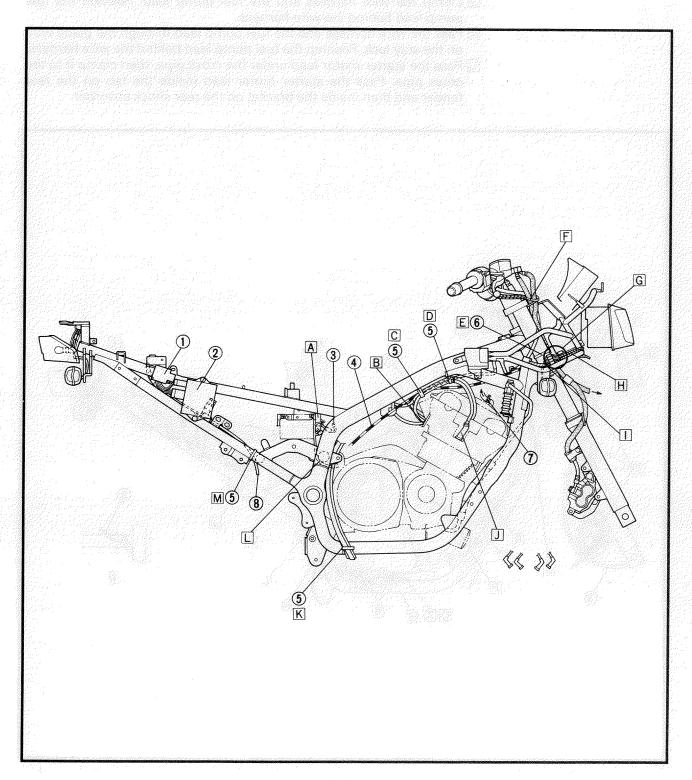


- ① Fuse box
- 2 Ignitor unit
- (3) Fuel sender lead
- 4 Clutch cable
- ⑤ Clamp
- 6 Band
- 7) Clip
- ® Rear brake switch lead
- A Clamp the fuel sender wire harness to the side cover stay.
- B Clamp the high tension cord, #4, to the upper part, and the #2 cord to the lower part at the marked position.
- C Clamp the high tension cords and clutch cable and sensing hose.
- D Clamp the high tension cords, #1, #2, #3 and #4 to the clamp on the frame at the marked positions accordingly.





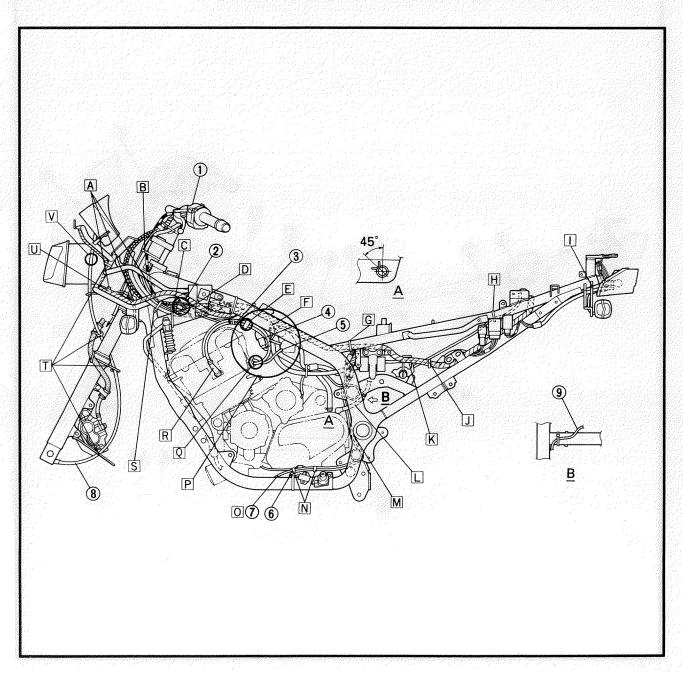
- E Clamp the brake hoses to the inner tube.
- F Clamp the brake hoses to the guide wire. inwards.
- G After connecting the left and right flasher K Pass the drain hoses for the tank and the leads, clamp them to the cowling stay. Connect the thermo switch lead to the plug with white tape affixed to it.
- H Clamp the auxiliary light lead and wire harness to the cowling stay.
- □ Clamp the flasher lead and thermo switch lead to the cowling stay.
- Position the spark plug cap so that it is facing
- drain hose for the air filter case through the clamp.
- $\ \square$  Pass the battery  $\ \bigcirc$  lead under the cross pipe and secure it to the side of the battery O terminal.
- M Clamp the rear brake switch lead to the back stay.





- ① Handlebar switch (left)
- ② Main switch coupler
- (3) High tension cord (#1)
- 4 High tension cord (#2)
- (5) High tension cord (#4)
- 6 Sidestand switch lead
- 7) Oil level switch lead
- (8) Speed meter cable
- Starter motor lead

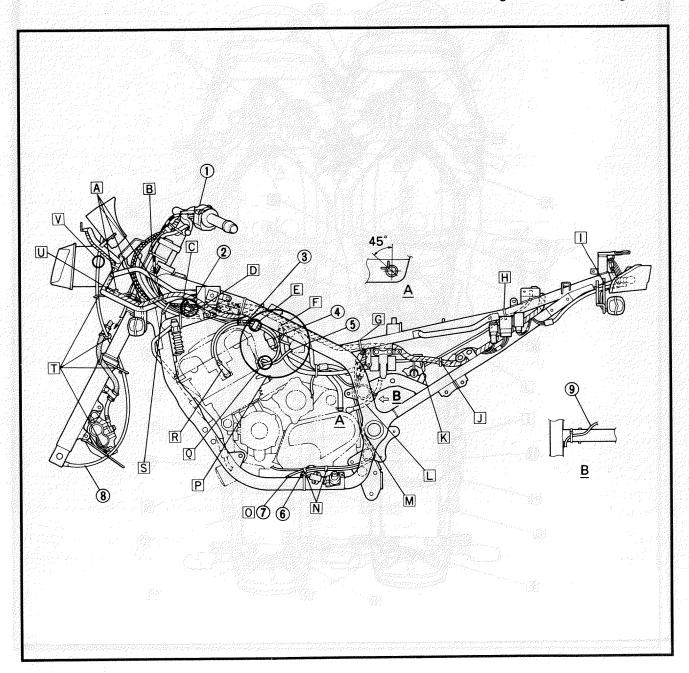
- A Clamp the wire harness to the cowling stay.
- B Clamp the left handlebar switch lead to the inner tube.
- C Clamp the left handlebar switch lead, the main switch lead and the starter cable to the tension pipe.
- D Clamp the wire harness at the point where the white tape is affixed to it.
- E Clamp the high tension cords (#1 and #2).
- E Clip both ends of the fuel hose.
- G Clamp the wire harness inside the seat rail.
- H Point the clamp end so that it is facing downwards.
- Pass the flasher lead inside the protruding tab on the rear fender.
- U Clamp the wire harness and the fuel pump lead. Position the fuel pump lead behind the wire harness.
- K Pass the wire harness and the fuel pump lead through the guide wire on the stay lock. Position the fuel pump lead behind the wire harness.
- Pass the starter motor lead under the cross pipe, then clamp it to the cross pipe. Pass the starter motor lead inside the tab on the rear fender and then inside the bracket on the rear shock absorber.





- M Pass the side stand switch lead through the inner part of the rear arm.
- N Clamp the side stand switch lead and the oil level switch lead with the engine clamp.
- O Pull the oil level switch lead backwards slightly so that it is not slack.
- P Pass the throttle position sensor lead inside the high tension cords (#1 and #2).
  - Either one of the high tension cords (#1) and (#2) can be uppermost.
- Pass the cord (#4) outside the fuel hose and breather hose.
  - Pass the cord (#1) outside the fuel hose, breather hose and throttle position sensor lead.

- O Clamp the high tension cord, #4, to the upper part at the marked position, and the high tension cord #2 to the lower part.
- R Position the spark plug cap so that it is facing inwards.
- S Clamp the left handlebar switch lead, main switch lead, starter cable and throttle cables.
- T Pass the speedometer cable to the left of the headlight and pass it through the guide wire which secures the cowling stay guide wire, brake hose holder, fender bracket guide wire and caliper.
- U Clamp the part of the wire harness which has white tape affixed to it onto the cowling stay.
- When installing the cowling, make sure that the speedometer cable is not pinched between the headlight and the cowling.



#### INTRODUCTION/PERIODIC MAINTENANCE/ LUBRICATION INTERVALS



#### PERIODIC INSPECTION AND ADJUSTMENT

#### INTRODUCTION

This chapter includes all information necessary to perform recommended inspections and adjustments. These preventive maintenance procedures, if followed, will ensure more reliable vehicle operation and a longer service life. The need for costly overhaul work will be greatly reduced. This information applies to vehicles already in service as well as new vehicles that are being prepared for sale. All service technicians should be familiar with this entire chapter.

#### PERIODIC MAINTENANCE/LUBRICATION INTERVALS

Unit: km

		DDC AV IN	EVERY		
ITEM	REMARKS	BREAK-IN 1,000	6,000 or 6 months	12,000 or 12 months	
Valve	Check valve clearance. Adjust if necessary.		EVERY 24,000		
Spark plugs	Check condition. Clean or replace if necessary.	0	0	O	
Air filter	Clean. Replace if necessary.		0	0	
Carburetor*	Check idle speed/synchronization/starter operation. Adjust if necessary.	0	O	0	
Fuel line*	Check fuel hose for cracks or damage. Replace if necessary.		O	0	
Engine oil	Replace (Warm engine before draining).	0	0	0	
Engine oil filter*	Replace.	0		O	
Final gear oil	Check oil level/oil leakage. Replace every 24,000 or 24 months.	Replace	O	0	
Brakes*	Check operation/fluid leakage (see NOTE). Correct if necessary.		0//	0	
Clutch	Check operation. Adjust if necessary.		0	0	
Rear arm pivot*	Check rear arm assembly for looseness. Correct if necessary. Moderately repack every 24,000 or 24 months.***			0	
Rear suspension link pivots	Check operation. Apply grease lightly every 24,000 or 24 months.***			0	
Wheels*	Check balance/damage/runout. Replace if necessary.		0	0	
Wheel bearings*	Check bearings assembly for looseness/damage. Replace if damaged.		0	0	
Steering bearings*	Check bearings assembly for looseness. Correct if necessary. Moderately repack every 24,000 or 24 months.**	0		0	
Front forks*	Check operation/oil leakage. Repair if necessary.		0	0	
Rear shock absorber*	Check operation/oil leakage. Repair if necessary.		0	0	
Fittings/Fasteners*	Check all chassis fittings and fasteners. Correct if necessary.	0	0	0	
Centerstand and sidestand*	Check operation. Repair if necessary.	0	0	0	
Sidestand switch*	Check operation, Clean or replace if necessary.	0	0	0//	

<sup>\*:</sup> It is recommended that these items be serviced by a Yamaha dealer.

<sup>\*\*:</sup> Medium weight wheel bearing grease. (bearing type)

<sup>\*\*\*:</sup> Molybdenum disulfide grease.

#### PERIODIC MAINTENANCE/LUBRICATION INTERVALS



1. When disassembling the master cylinder or caliper cylinder, replace the brake fluid. Normally check the brake fluid level and add the fluid as required.

2.On the inner parts of the master cylinder and caliper cylinder, replace the oil seals every two years.

3. Replace the brake hoses every four years, or if cracked or damaged.

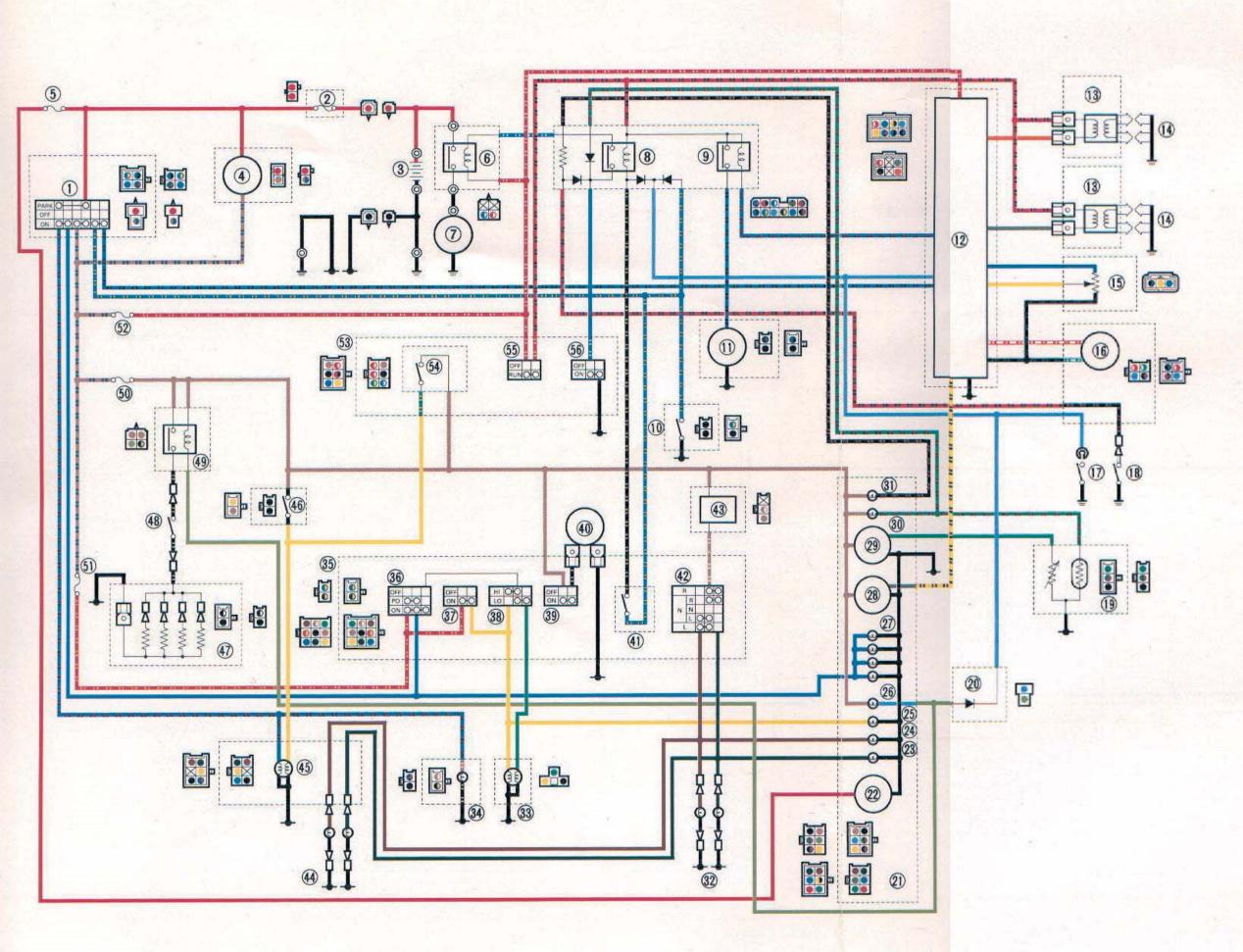




- ① Main switch
- ② Fuse (main)
- ③ Battery
- 4 A.C. generator
- ⑤ Fuse (clock)
- 6 Starter relay
- (7) Starter motor
- Starter circuit cut-off relay
- Fuel pump relay
- 10 Sidestand switch
- (1) Fuel pump
- 12 Igniter unit
- (3) Ignition coil
- Spark plug
- (15) Throttle sensor
- (6) Pickup coil
- 17 Neutral switch
- (8) Oil level switch
- Fuel sender
- 20 Diode
- ② Meter assembly
- 2 Clock
- "TURN" indicator light (right)
- @ "TURN" indicator light (left)
- (3) "HIGH BEAM" indicator light
- "NEUTRAL" indicator light
- @ Meter light
- Tachometer
- Second S
- ③ "FUEL LEVEL" indicator light
- ③ "OIL LEVEL" indicator light
- Front flasher light
- 3 Headlight
- Auxiliary light
- 39 Handlebar switch (left)
- 39 "LIGHTS" switch
- @ "PASS" switch
- 38 "LIGHTS" (dimmer) switch
- 39 "HORN" switch
- 40 Horn
- 4) Clutch switch
- @ "TURN" signal switch
- 43 Flasher relay
- A Rear flasher light
- (45) Tail/brake light
- 46 Rear brake switch
- 47 Heater
- **48** Thermo switch
- 49 Heater relay
- ® Fuse (signal)
- (head)
- Fuse (ignition)
- Handlebar switch (right)
- 64 Front brake switch
- 69 "ENGINE STOP" switch
- 66 "START" switch

XJ900S(G) '95 **WIRING DIAGRAM**  XJ900S(G) '95 PLAN DE CABLAGE XJ900S(G) '95 **SCHALTPLAN** 

XJ900S(G) '95 **SCHEMA IMPIANTO ELETTRICO** 



#### COLOR CODE/CODE DE COULEUR/ FARBENKODIERUND/CODIE COLORI

Black Noir Schwarz

Blue/Black Bleu/Noir Blau/Schwarz Blu/Nero

Blue/Red

Blue/White

Bleu/Blanc

Blau/Weiß

Blu/Bianco

Blue Bleu

Blau Blu

Nero

Bleu/Rouge Blau/Rot Blu/Rosso

Brown Brun Braun

Marrone Chocolate

Blue/Yellow Bleu/Jaune Blau/Gelb Schokoladenfarbe Blu/Giallo

Cioccolate Dark green Vert foncé

Dunkelgrün

Chocolat

Brown/Blue Brun/Bleu Braun/Blau Marrone/Blu

Green/Red

Green/Yellow

Verde scuro Green Vert

Brown/White Brun/Blanc Braun/Weiß Marrone/Bianco

Grün Verde

Gray Gris

Grau Grigio

Vert/Rouge Grün/Rot Verde/Rosso

Light green Vert clair Hellgrün Verde chiaro

Vert/Jaune Grün/Gelb Verde/Giallo

Orange Orange Orange Aranjado

Red/Black Rouge/Noir Rot/Schwarz

Rosso/Nero

Red Rouge Red/Blue Rouge/Bleu Rot/Blau

Rot Rosso

Rosso/Blu Red/White

Sky blue Bleu ciel Himmelblau Celeste

Yellow

Rouge/Blanc Rot/Weiß Rosso/Bianco

Red/Yellow

Rouge/Jaune

Blanc/Vert

Weiß/Grün

Bianco/Verde

Jaune Gelb Giallo

Rot/Gelb Rosso/Giallo White/Green

Black/Blue Noir/Bleu Schwarz/Blau Nero/Blu

Black/Red Noir/Rouge Schwarz/Rot Nero/Rosso

Black/White Noir/Blanc Schwarz/Weiß Nero/Bianco

Gelb/Schwarz Giallo/Nero

Black/Yellow

White/Red Blanc/Rouge Weiß/Rot

Bianco/Rosso Yellow/Black Jaune/Noir